

A submitted herewith.

Please amend the Specification in accordance with "marked up" copy of the Specification provided as Appendix B. A clean copy of the amendments made in the Specification is provided in accordance 37 C.F.R. 1.121(b)(1)(ii) as Appendix C.

Applicants respectfully submit that no new matter within the meaning of 35 U.S.C. §132 is added by the amendment.

#### **REMARKS**

Claims 1-48 are presently pending. No amendments have been made to the claims.

A paper copy of the computer readable format is enclosed herein in conformance with 37 C.F.R. §1.821-1.825.

A new computer readable copy is also enclosed. A summary report generated by Checker Version 3.1 verifies that no errors are present in the presently enclosed new computer readable copy.

Applicants hereby state that the sequence listings in the computer readable form are identical to the sequence listing in the application as required under 37 C.F.R. §1.821(f). Applicants also submit that no new matter is added by the computer readable form or by the paper copy of the computer readable form.

Accordingly, Applicants submit that the computer readable copy and paper copy of the sequence listings fully comply with 37 C.F.R. §1.821-1.825, and respectfully request that the Examiner withdraw the objections.

**CONCLUSION**

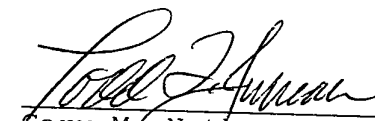
In view of the foregoing, Applicants respectfully request the Examiner to reconsider and withdraw the objection under 37 C.F.R. §1.821-1.825 and to examiner all claims pending in this application.

If the Examiner believes the application is not in compliance, Applicants respectfully request that the Examiner contact the undersigned attorney by telephone if it is believed that such contact will expedite the prosecution of the application.

Respectfully submitted,

**NATH & ASSOCIATES PLLC**

Date: October 24, 2002

  
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Attorney Docket No. 24170  
BOX PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

KIM et al.

Serial No.: 09/627,165

Group Art Unit: 1653

Filed: July 27, 2000

Examiner: Kam

For: CRUDE EXTRACT FROM *Viscum album coloratum*, AND PROTEINS AND  
LECTINS ISOLATED THEREFROM

RECEIVED  
OCT 28 2002  
TECH CENTER 1600/2900

APPENDIX B - "Marked up" copy of Specification Amendments

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Please amend the Specification as follows:

On page 15, lines 8 through 9, please make the following  
corrections to the Specification:

Primer 1: 5' -GTIACICAT CAIACIGG-3' (SEQ. ID. NO. 17)

Primer 2: 5' -ACIATICGC ACIFTIGGTC-3' (SEQ. ID. NO. 18)

On the page 42, lines 13 through 22, please make the  
following corrections to the Specification:

Lectin	Chain(Mw.)	Amino Acid Sequence				
		1	10	20	30	
KML-IIU	A(30KDa)	YEREK LRVTH QTTGD QYFKF ITLLA DQHS				(SEQ. ID. NO. 19)
KML-IIL	A(27.5KDa)	YEREK LRVTH QTTGD EYFRF ITLLA DTV				(SEQ. ID. NO. 20)
EML-I	A(29KDa)	YEREK LRVTH QTTGD EYFRF ITLLA DTVSS				(SEQ. ID. NO. 21)
		1	10	20	30	
KML-IIU	B(32.5KDa)	unidentified				
KML-IIL	B(31KDa)	DVTXT ASEPT VRI				(SEQ. ID. NO. 22)
EML-I	B(34KDa)	DDVTS SASEP TVRIV GRNGM				(SEQ. ID. NO. 23)

On page 48, lines 24 through 25, please make the following corrections to the Specification:

Primer 1: 5' -GTIACICAT CAIACIGG-3' (SEQ. ID. NO. 17)

Primer 2: 5' -ACIATICGC ACIFTIGGTC-3' (SEQ. ID. NO. 18)

On page 50, lines 19 through 28, please make the following corrections to the Specification:

<A Chain>																															
II U			Y	E	R	L	K	L	Y	-	V	T	H															(SEQ. ID. NO. 24)			
II L			Y	E	R	L	R	L	R	-	V	T	H	Q	T	T	G	D	E	Y	F	R	F	I	T	L	L	R	D	(SEQ. ID. NO. 25)	
GI													H	Q	T	T	G	D	E	Y	F	R	F	I	T	L	L	R	D	(SEQ. ID. NO. 26)	
EMLA			Y	E	R	L	R	L	R	-	V	T	H	Q	T	T	G	E	E	Y	F	R	F	I	T	L	L	R	D	(SEQ. ID. NO. 27)	
RTA	I	F	P	K	Q	Y	P	I	I	N	F	T	T	A	G	A	T	V	Q	S	Y	T	N	F	I	R	A	V	R	G	(SEQ. ID. NO. 28)
ABA			E	D	R	P	I	-	K	F	S	T	E	G	A	T	S	Q	S	Y	K	Q	F	I	E	A	L	R	E	(SEQ. ID. NO. 29)	
II U																															
II L	Y	V																												(SEQ. ID. NO. 30)	
CI	Y	V	S	S	G	S	F	S	N		E	I	P	L	L	R	Q	S	T	I	P	V	S	D	A	Q	R	F	V	L	(SEQ. ID. NO. 31)

(SEQ. ID. NO. 24)

(SEQ. ID. NO. 25)

(SEQ. ID. NO. 26)

(SEQ. ID. NO. 27)

(SEQ. ID. NO. 28)

(SEQ. ID. NO. 29)

(SEQ. ID. NO. 30)

(SEQ. ID. NO. 31)

On page 51, lines 1 through 15, please make the following corrections to the Specification:

EMLA	Y	V	S	S	G	S	P	S	N		E	I	P	L	L	R	Q	S	T	I	P	V	S	D	A	Q	R	F	V	L	(SEQ. ID. NO. 32)
RTA	R	L	T	T	G	A	D	V	R	H	E	I	P	V	L	P	N	R	V	G	L	P	-	I	N	Q	R	F	I	L	(SEQ. ID. NO. 33)
ABA	R	L	R	G	G	L	-	-	I	H	D	I	P	V	L	P	D	P	T	T	L	Q	-	E	R	L	R	Y	I	T	(SEQ. ID. NO. 34)
CI	V	E	L	T	N	Q	G	G	D	-	S	I	T	A	A	I	D	V	T	N	L	Y	V	V	A	Y	Q	A	G	D	(SEQ. ID. NO. 35)
EMLA	V	E	L	T	N	Q	G	Q	D	-	S	V	T	T	A	I	D	V	T	N	A	Y	V	V	A	Y	Q	A	G	D	(SEQ. ID. NO. 36)
RTA	V	E	L	S	N	H	A	-	E	L	S	V	T	L	A	E	D	V	T	N	A	Y	V	V	G	Y	R	A	G	N	(SEQ. ID. NO. 37)
ANA	V	E	L	S	N	S	D	T	E	-	S	I	E	V	G	I	D	V	T	N	A	Y	V	V	A	Y	R	A	G	T	(SEQ. ID. NO. 38)
CI	Q	S	Y	F	L	R	-	D	A	P	D	G	A	E	-	-	R	H	L	F	T	G	T	T	R	-	-	-	-	-	(SEQ. ID. NO. 39)
EMLA	Q	S	Y	F	L	R	-	D	A	P	R	G	A	E	-	-	T	H	L	F	T	G	T	T	R	-	-	-	-	-	(SEQ. ID. NO. 40)
RTA	S	A	Y	F	F	H	P	O	N	Q	E	D	A	E	A	I	T	H	L	F	T	-	-	-	D	V	Q	N	R	(SEQ. ID. NO. 41)	
ABA	Q	S	Y	F	L	R		D	A	P	S	S	A	S	D	Y	-	-	L	F	T	G	T	-	-	D	-	Q	H	-	(SEQ. ID. NO. 42)
CI	S	S	L	P	F	T	G	S	Y	T	D	-	L	E	R	Y	A	G	H	-	-	R	D	Q	I	P	L	G	-	-	(SEQ. ID. NO. 43)
EMLA	S	S	L	P	F	N	G	S	Y	P	D	-	L	E	R	Y	A	G	H	-	-	R	D	Q	I	P	L	G	-	-	(SEQ. ID. NO. 44)
RTA	Y	F	T	A	F	G	G	N	Y	-	O	R	L	E	Q	L	A	G	-	N	L	R	E	N	I	E	L	G	N	G	(SEQ. ID. NO. 45)
ABA	-	S	L	P	F	Y	G	T	Y	G	D	-	L	E	R	W	A	-	H	Q	S	R	Q	Q	I	P	L	G	L	D	(SEQ. ID. NO. 46)

(SEQ. ID. NO. 32)

(SEQ. ID. NO. 33)

(SEQ. ID. NO. 34)

(SEQ. ID. NO. 35)

(SEQ. ID. NO. 36)

(SEQ. ID. NO. 37)

(SEQ. ID. NO. 38)

(SEQ. ID. NO. 39)

(SEQ. ID. NO. 40)

(SEQ. ID. NO. 41)

(SEQ. ID. NO. 42)

(SEQ. ID. NO. 43)

(SEQ. ID. NO. 44)

(SEQ. ID. NO. 45)

(SEQ. ID. NO. 46)

On page 51, line 24 through 31, please make the following corrections to the Specification:

<A chain>																																
C1	-	I	E	E	L	I	Q	S	V	S	A	L	-	-	I	Y	P	G	G	-	-	-	S	T	R	A	Q	A	R	S		
EMLA	-	I	D	Q	L	I	Q	S	V	T	A	L	-	-	I	F	P	G	G	-	-	-	S	T	R	T	Q	A	R	S		
RTA	P	L	E	E	A	I	-	-	-	S	A	L	Y	Y	Y	S	Y	G	G	T	Q	L	P	T	L	-	-	A	R	S		
ABA	A	L	T	H	G	T	-	-	-	S	F	F	-	-	R	S	-	G	G	N	D	N	E	E	K	-	-	A	R	T		
C2													A	R	F	N	P	I	X	W	R	L	R	R	Q	-	I	N	S	G	E	S
C1	L	I	I	L	I	Q	M	I	S	E	A	A	R	F	N	P	I	F	W	R	-	A	R	Q	Y	I	N	S	G	E	S	
EMLA	I	L	I	L	I	Q	M	I	S	E	A	A	R	F	N	P	I	L	W	R	-	Y	R	Q	Y	I	N	S	G	A	S	

(SEQ. ID. NO. 47)

(SEQ. ID. NO. 48)

(SEQ. ID. NO. 49)

(SEQ. ID. NO. 50)

(SEQ. ID. NO. 51)

(SEQ. ID. NO. 52)

(SEQ. ID. NO. 53)

On page 52, line 1 through 17, please make the following corrections to the Specification:

[illegible]

On 52, lines 24 through 30, please make the following corrections to the Specification:

<Linker>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
C2			L	D	H	P	S	P	L	L	L	R	S	V	V	D	A	A	N																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

On page 53, line 5 through 11, please make the following corrections to the Specification:

<B chain>																									
IIL		D	V	T	C	T	A	S	E	C	T	V	R	I											
C2		D	V	T	X	T	X	S	E	P	T	V	R	I	V										
CI	D	D	V	T	C	T	A	S	E	P	T	V	R	I	V										
EMLB	D	D	V	T	S	S	A	S	E	P	T	V	R	I	V	G	R	N	G	M					
RTB	A	D	V	C	M	D	P	-	E	P	I	V	R	I	V	G	R	N	G	M					
ABB	S	K	I	C	S	S	R	Y	E	P	T	V	R	I	G	G	R	D	G	M					

(SEQ. ID. NO. 75)

(SEQ. ID. NO. 76)

(SEQ. ID. NO. 77)

(SEQ. ID. NO. 78)

(SEQ. ID. NO. 79)

(SEQ. ID. NO. 80)